

Schlumberger

PRIMARY CEMENTING PROPOSAL

2 7/8 IN. LONGSTRING

ARNOLD OIL PROPERTIES

PITZER TRUST 1-2

Well Location

County : Custer
State : Okla
Country : USA

Prepared for : Steve Kester
Date Prepared : 31-May-07

Service Point : EL RENO, OK
Business Phone : 405-262-6580
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Disclaimer Notice:

This information is presented in good faith, but no warranty is given and Dowell assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. Prices quoted are estimates only, and are good for 30 days from the date of issue. Actual charges may vary depending upon time, equipment, and material, ultimately required to perform these services. Freedom from infringement of patents of Dowell or others is not to be inferred.

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EXHIBIT

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tabbles

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Depth	13,444 ft.
Casing Size	2 7/8 in., 6.5 lbs./ft.
Open Hole Diameter	4 3/4 in.
Previous Csg. Depth	11,130 ft.
Previous Csg. Size	5 1/2 in., 17 lbs./ft.
BHST	230 °F
BHCT	210 °F
Total Excess	20 %
Tail Excess	20 %

< Surface

< Previous Csg.
11,130 ft.Mud Wt./Type: 12.3 ppg Fresh Wtr. BasedCalculations:Volume Factors:

Casing x Open Hole	0.078 cu.ft./ft
Casing x Previous Casing	0.0881 cu.ft./ft
Casing (Internal)	0.0321 cu.ft./ft

< Top of Cement
11,900 ft.

Top of Cement	11,900 ft.
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Cement System:

Open Hole Fill	$(1,544 \times 0.078 \times 1.2) / 1.41 = 103 \text{ sks.}$
Casing Shoe Cement	$(40 \times 0.0321) / 1.41 = 1 \text{ sks.}$
Total Tail Cement	= 103 sks.

< T.D. - 13,444 ft.

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Cementing Services Pricing

Units	UOM	Description	Unit Price	Disc. %	Extended Price
MATERIALS AND EQUIPMENT:					
1	EA.	PUMP CHARGE 13444 FT 1ST 8HRS	35,200.00	48	18,304.00
1	EA.	STANDBY CMT. PUMPER (4 HOURS)	6,300.00	48	3,276.00
4	HRS.	ADDITIONAL HRS. ON PUMP	1,210.00	48	2,516.80
1	EA.	BATCH MIXER 100 BBLs	4,360.00	48	2,267.20
4	HRS.	ADDITIONAL HRS. ON BATCH MIXER	356.00	48	740.48
16	HRS.	CEMENT BULK UNITS TIME ON LOCATION	230.00	48	1,913.60
60	EA.	ROUNDRIP MILEAGE (CARS/TRUCKS)	5.51	48	171.91
1	EA.	CemCAT/PRISM/TREATMENT DATA SERVICE	1,880.00	48	977.60
95	SKS.	CLASS H CEMENT	42.15	48	2,082.21
93	CWT.	D31 BARITE WT. AGT.	77.10	48	3,728.56
3128	LBS.	D66 SILICA FLOUR	0.66	48	1,072.84
67	GALS.	D161 CEMENT RETARDER	40.80	48	1,421.47
20	GALS.	D47 ANTIFOAMER	100.70	48	1,047.28
27	LBS.	D167 UNIFLAC	86.40	48	1,213.06
27	LBS.	D65 TIC DISPERSANT	16.05	48	225.34
10	BBLs.	CW-100 CHEMICAL WASH	125.00	48	650.00
40	GALS.	F40 SURFACTANT	168.00	48	3,494.40
30	BBLs.	D970 MUDPUSH II	254.00	48	3,962.40
60	MILES	MILEAGE ON 3 UNITS	9.53	48	892.01
321	T.M.	HAULING 10.7 TONS	3.58	48	597.57
209	CU.FT.	SERVICE CHG.	4.86	48	528.18
1	EA.	TOP PLUG (ALUMINUM)	253.50	48	131.82
1	EA.	BOTTOM PLUG ALUMINUM	624.00	48	324.48
3	Units	DOT TRUCK SURCHARGE	725.00	48	1,131.00
3	EA.	Fuel Surcharge (3% Gross Services)	325.00	0	975.00
					=====
SUBTOTAL (PRICEBOOK)				\$	102,263.88
EFFECTIVE DISCOUNT				47.54 %	48,618.66
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<u>DISCOUNTED TOTAL PRICE</u>				\$	53,645.22

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This quote is valid for a period of thirty days from the date submitted. These prices are estimates based on current price structure and will vary somewhat with the materials, equipment, and time actually required at the time of service. The discount shown will be applicable to the most current Dowell price book in effect at the time of service. Not included are the costs of fluid storage, oil, water, (or transportation thereof) except as listed. Dowell does not offer these services.

The cement slurry data presented are from systems previously tested in Dowell laboratories. Thickening time tests should be run when field mix water is available and final temperatures are known. Mud\Cement compatibility tests should be run when final mud systems are in use. These tests could cause quantity variations of the materials recommended, thereby affecting the price of the job.

In the interest of safety, a pre-job tailgate safety meeting will be held with your representative and other on-location personnel to familiarize everyone with existing hazards and safety procedures. During this meeting a designated wash-up area will be assigned for our cementing unit to dispose of our cement slurry and drilling mud displacement fluid.

Thank you for considering Dowell for this work. Please do not hesitate to call with any questions or concerns.

Felipe Germini
EI Reno OKla

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